

ABSTRACT OF THE DISCLOSURE

An automotive heat exchanging system has a heat exchanger comprising a condenser and a radiator, an electric fan located in the front of an engine and an automatic transmission. A shroud is attached to and covers peripheral portions of the electric fan and the heat exchanger to prevent air from bypassing the shutter. The shroud forms an air passage inside of it for allowing airflow through the heat exchanger to flow toward the automatic transmission. A shutter is disposed in the shroud and attached at a periphery of the shroud. The shutter is controlled to open and close the air passage by a controller based on oil temperature.